

88-1042A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Michael W. Lynch et al. : Group Art Unit: 1755

Serial No. 09/873,713 : Examiner: unknown

Filed: June 4, 2001 :

For: ALUMINOBORONATE ACTIVATORS FOR :  
SINGLE-SITE CATALYSTS :

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)(1)

Sir:

Applicants submit here a list of references they believe are relevant to the examination of this patent application. The references are listed on accompanying form PTO-1449, and copies of the references are enclosed.

Applicants respectfully ask the Examiner to consider the cited references.

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on September 4, 2001.

Jonathan L. Schuchardt  
Name of person signing

Jonathan L. Schuchardt  
Signature


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Respectfully submitted,

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September 4, 2001

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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Rev. 7/89		Attorney Docket: 88-1042A	Page 1 of 2
		Serial No. 09/873,713	Examiner: Unknown
LIST OF PRIOR ART CITED BY APPLICANT		Applicant: Michael W. Lynch et al.	Filing Date: June 4, 2001
		FOR: ALUMINOBORONATE ACTIVATORS FOR SINGLE-SITE CATALYSTS	Group Art: 1755 Date: September 4, 2001

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
JP	AA	6,232,260	05/15/01	Nagy et al.	502	155	10/14/99
JP	AB	6,034,027	03/07/00	Krishnamurti et al.	502	200	06/10/97
JP	AC	5,902,866	05/11/99	Nagy et al.	526	133	11/13/96
JP	AD	5,648,440	07/15/97	Sugano et al.	526	132	03/01/95
JP	AE	5,637,660	06/10/97	Nagy et al.	526	160	04/17/95
JP	AF	5,637,659	06/10/97	Krishnamurti et al.	526	133	05/17/96
JP	AG	5,554,775	09/10/96	Krishnamurti et al.	556	7	01/17/95
JP	AH	5,539,124	07/23/96	Etherton et al.	548	402	12/19/94
JP	AI	5,414,180	05/09/95	Geerts et al.	585	525	07/14/93
JP	AJ	5,241,025	08/31/93	Hlatky et al.	526	129	10/02/92
JP	AK	5,198,401	03/30/93	Turner et al.	502	155	07/30/91

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JP	AL	WO 99/24446	05/20/99	PCT				
	AM							
	AN							
	AO							

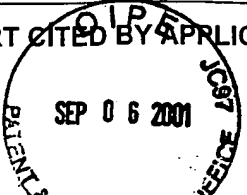
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JP	AR	Anulewicz-Ostrowska et al., <u>Inorg. Chem.</u> 39 (2000) 5763.
JP	AS	S. Lulinski et al., "Aluminoxanes via Boron Compounds" in <u>Contemporary Boron Chemistry</u> (2000) 40.
JP	AT	Ng. Buu-Hoi et al., <u>J. Chem. Soc.</u> (1952) 2225.

Examiner <i>Packer</i>	Date Considered <i>11/24/03</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Rev. 7/89		Attorney Docket: 88-1042A	Page 2 of 2
		Serial No. 09/873,713	Examiner: Unknown
LIST OF PRIOR ART CITED BY APPLICANT		Applicant: Michael W. Lynch et al.	Filing Date: June 4, 2001
		FOR: ALUMINOBORONATE ACTIVATORS FOR SINGLE-SITE CATALYSTS	Date: September 4, 2001 <b>RECEIVED</b> SEP 10 2001

### U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
<i>JP</i>	AA	5,153,157	10/06/92	Hlatky et al.	502	117	03/20/90
<i>JP</i>	AB	4,791,180	12/13/88	Turner	526	160	09/28/87
<i>JP</i>	AC	4,752,597	06/21/88	Turner	502	104	02/19/87
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							

### OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

Examiner <i>JP</i>	Date Considered <i>11/14/01</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>Notice of References Cited</b>	Application/Control No. 09/873,713	Applicant(s)/Patent Under Reexamination LYNCH ET AL.	
	Examiner J. Pasterczyk	Art Unit 1755	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,211,311	04-2001	Wang et al.	502/152
	B	US-6,451,724	09-2002	Nifant'ev et al.	502/103
	C	US-6,559,251	05-2003	Wang et al.	502/103
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO 01/53360 A1	07-2001	WIPO	Resconi et al.	
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.